



**Advanced Grid  
Research**

OFFICE OF ELECTRICITY  
US DEPARTMENT OF ENERGY

# VOICES of Experience Utilizing Artificial Intelligence

*DOE Voices of Experience Workshop*

*hosted by*

**CPS Energy**

145 Navarro Street, San Antonio, TX 78202

**Thursday, January 30, 2020 | 8:30 am – 4:00 pm**

*For each session, CPS Energy will provide a presentation on the work they are doing. These presentations will set the stage for a facilitated group discussion with all participants.*

- 8:30 am**      **Arrive at Security and Coffee Networking**
- 9:00 am**      **DOE Welcome and Introductions**  
*Eric Lightner, Office of Electricity Delivery and Energy Reliability (DOE OE)*
- 9:10 am**      **Overview of Voices of Experience**  
*Sonja Berdahl, NREL*
- 9:30 am**      **Voices of Experience and Utilizing Artificial Intelligence (AI)**  
*Facilitated by Sonja Berdahl, NREL and Lauren Callaway, Utility Analytics Institute*  
Participants will provide a short (~3 min) overview of their utility's readiness for AI. Discussion questions:
- How ready is your utility to employ artificial intelligence?
  - What are you currently doing with artificial intelligence?
- 10:30 am**      **Break**
- 10:45 am**      **Operationalization and Deployment of AI: The Good, the Bad and the Ugly**  
*Facilitated by Amelia Badders, CPS Energy*  
Five or six utilities will share a short (~7 min) AI story (presentation) from their utility. Each will be followed with an interactive discussion exploring lessons learned, what they would do differently, and advice for other utilities. Discussion questions:
- What is your biggest challenge around AI?
  - What are you hoping to accomplish with AI in the next year? 5 years?
- 12:30 pm**      **Lunch – Hosted by CPS**
- 1:00 pm**      **CPS Energy: AI Implementation Miniseries**  
*Dr. Rolando Avila-Vega, CPS Energy*
- 2:00 pm**      **Break**
- 2:15 pm**      **Group Exercise: Moving Forward with Artificial Intelligence**
- 3:45 pm**      **Closing Remarks**
- 4:00 pm**      **Adjourn**